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## CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

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COUNTRY	East Germany	REPORT	
SUBJECT	Recent Siemens-Plania Activities	DATE DISTR.	16 December 1953
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25X1

This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.  
THE APPRAISAL OF CONTENT IS TENTATIVE.  
(FOR KEY SEE REVERSE)

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1. There were no changes either in personnel or installations during the first half of September 1953 at Siemens-Plania.
2. Materials delivered during the above period included 150 tons of Rumanian coke, 500 tons of Czech coke, 50 tons of Rumanian soot, 200 tons (approximately) of pitch and tar from the coking plants of Berlin and vicinity (e.g., the Klingenberg coking plant), 1 ton of cerite earth, and 1 ton of Ceylon graphite from the USSR.
3. An order was received for 28,000 tons of tamping clay (Stampfmasse) for Czechoslovakia, for use in the manufacture of aluminum.
4. Research work on silite resistances for radio and radar use has been basically concluded, and production has already started. The first order is for 8,000 resistances.

Formula: 80% Portland cement  
20% Ceylon graphite  
Plus 30 c.c. Tricosal - SIII (hardening medium) per 100 grams

The mixture is molded at a pressure of 500 Kg/cm, dried (in air) for 24 hours, and then baked in an oven for 6 hours at 250° C and finally impregnated with a resinous solution (Harzloesung).

5. Research work on a high capacity-terminal (Hochleistungsschluss) has been completed as far as the insulating compound is concerned. The final formula arrived at was as follows:

120 grams Portland cement  
80 grams Ceylon graphite with 15 c.c. Tricosal SIII  
15 c.c. water as binding agent.

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25 YEAR RE-REVIEW

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- 2 -



25X1

The compound is then poured into the appliance, clamped tight, and left to stand for 24 hours.

6. Orders for research work from SAG Kabel during the above period have been for the development of the following:
  - a. a high-speed method for testing burning of electrodes.
  - b. A method of making drying mixtures (Trockenmischungen) based on a rotary vibrating sieve (Vibriersiebe bei Rotation der Apparatur)
  - c. a method for the manufacture of electrodes by casting them.

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